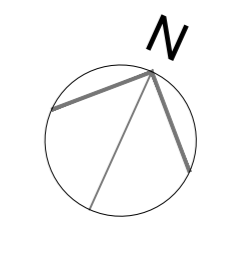


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 General Notes
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 3. This drawing should be read in conjunction with all other relevant drawings and specifications.
 4. Designs are subject to ongoing project wide Work Stage 4 development and e.g. evolving and emerging MEP, process, structural steel, external envelope, the engineering/contract, statutory authority approval requirement definition and design.
 5. Changes to the existing pre-PCSA planning submission are foreseen to accommodate the ongoing design developments.
 6. This drawing should be read in conjunction with the Designer's and Contractor's Risk Assessment reference:
 ENVI-RPS-ST-XX-RA-2-111950
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 Hazards



For continuation refer to sheet 2
 ENVI-RPS-ST-XX-DR-C-111402

For continuation refer to sheet 2
 ENVI-RPS-ST-XX-DR-C-111402

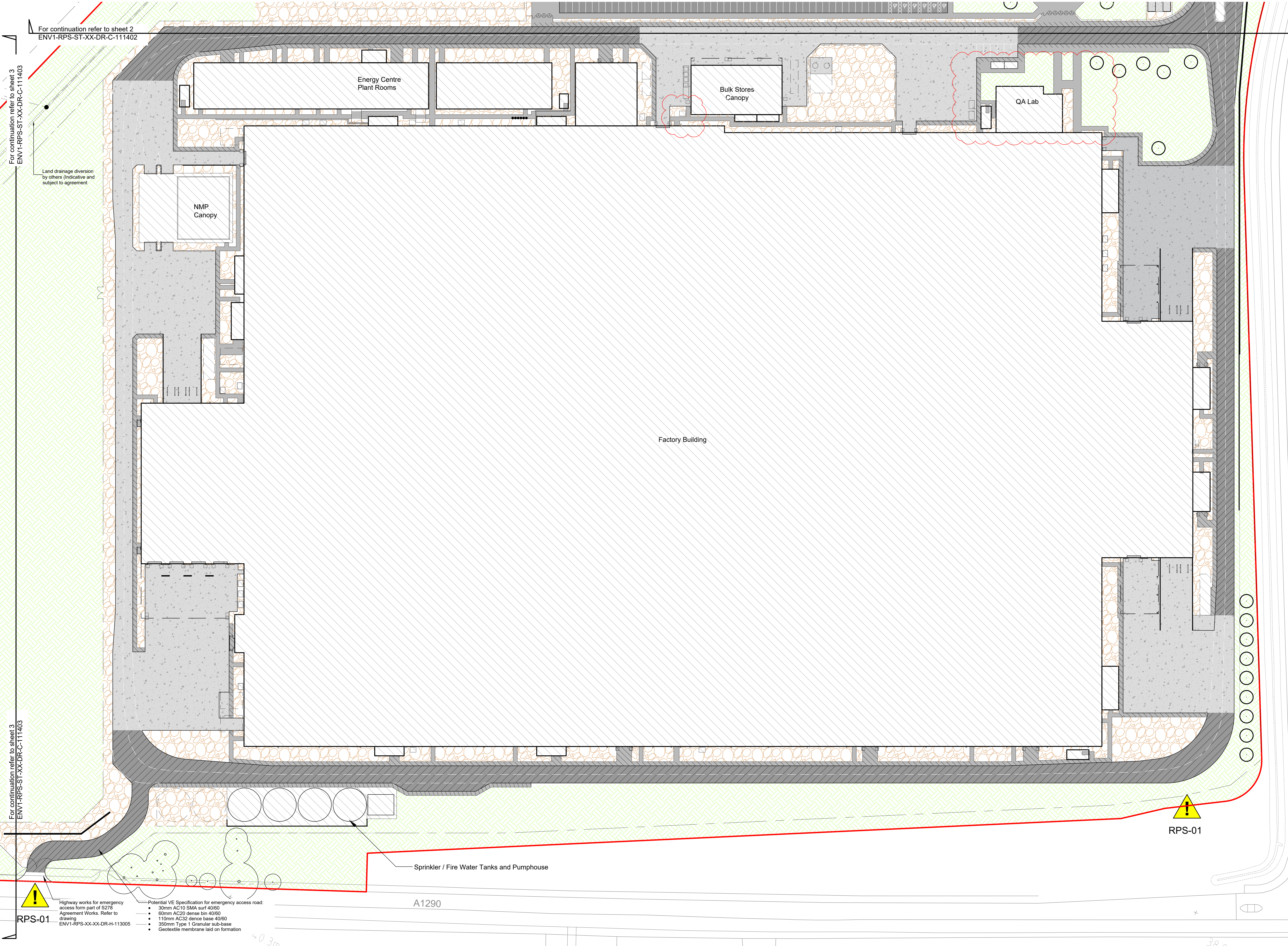
For continuation refer to sheet 3
 ENVI-RPS-ST-XX-DR-C-111403

Land drainage diversion by others (indicative and subject to agreement)

For continuation refer to sheet 3
 ENVI-RPS-ST-XX-DR-C-111403

RPS-01
 Highway works for emergency access form part of S278 Agreement Works. Refer to drawing ENVI-RPS-XX-DR-H-113005

Potential VE Specification for emergency access road:
 • 30mm AC10 SMA surf 40/60
 • 60mm AC20 dense base 40/60
 • 110mm AC22 dense base 40/60
 • 350mm Type 1 Granular sub-base
 • Geotextile membrane laid on formation



RPS-01 Existing underground, surface and overhead services
 RPS-02 Localised flood plain
 RPS-03 Localised land drainage
 RPS-04 Below ground structures / foundations local to West Moor Farm
 RPS-05 Unexploded Ordnance (UXO)
 RPS-06 Ground Contamination

- Refer to Drainage and External Works Specification
 ENVI-RPS-XX-SP-C-111907
- HGV Access and Circulation:
 • 40mm AC10 SMA surf 40/60
 • 60mm AC20 dense base 40/60
 • 170mm AC32 dense base 40/60
 Foundation:
 • 220mm Type 1 granular sub-base
 • 360mm capping (6F2/6F5)
 • Geotextile Membrane laid on formation
- Car Park:
 • 30mm AC10 SMA surf 40/60
 • 60mm AC20 dense base 40/60
 • 100mm AC32 dense base 40/60
 Foundation:
 • 350mm Type 1 granular sub-base
 • Geotextile Membrane laid on formation
- Concrete Handstanding with Joints:
 • 200mm C32/40 Air Entrained concrete with A163 mesh on 50kg polythene membrane (Unless stated otherwise on Joint Layouts)
 • 150mm Type 1 granular sub-base
 • 110mm capping if formation material is frost susceptible
 • Geotextile Membrane laid on formation
- Footpaths adjacent to HGV access road and circulation routes:
 • 20mm AC6 dense surf 100/150
 • 90mm AC20 dense base 100/150
 • 350mm Type 1 granular sub-base
 • Geotextile Membrane laid on formation
- Pedestrian Only Footpath:
 • 20mm AC6 dense surf 100/150
 • 50mm AC20 dense base 100/150
 • 110mm Type 1 granular sub-base
 • (280mm capping if formation material is frost susceptible)
 • Geotextile Membrane laid on formation
- Access to DNO Substation (Suitable for infrequent access by light vehicles e.g. vans)
 • Gravel filled plastic paver (40mm deep, subject to product selection)
 • 50mm bedding layer of 5-20mm Sharp angular gravel
 • 150mm Type 3 sub-base
 • 260mm capping if formation material is frost susceptible
 • Geotextile Membrane laid on formation
- Gravel Landscaping
- Soft Landscaping
 • Details subject to Landscape architects requirements.
- Building on Other Foundation
 Refer to relevant structures drawings

Note: Earthing tape to be installed prior to road/pavement construction in line with MEP requirements

Basis of Design/Assumptions
 The designs shown on this drawing are based on the following:
 1. An equilibrium CBR of 3% has been adopted in line with the Phase 2 Ground Investigation Report ENVI-RPS-XX-RP-G-114000
 2. Design Traffic of no more than 8msa, based on worst case 50 HGVs per day, per plant and allowing for future development and maintenance of 3.5 plants gives 175HGVs per day, 365 days a year for 25 years (Design life and operational days based on client specification)
 3. Should formation CBR values of less than 3% be encountered the formation is to be stabilised to provide a minimum 3% CBR. Design of any line / cement stabilisation to be by specialist contractors

Code	Description	Discipline	Author	Date
C08	Pedestrian only footpath sub-base thickness updated in line with ENVI-RPS-ST-XX-DR-C-111403	HAC	MM	06/02/23
C07	NMP canopy and yard area updated in line with ENVI-RPS-ST-XX-SK-A-116991. Substation access points adjusted.	HAC	MM	11/11/22
C06	Footpath for the escape and fire fighting access on eastern elevation updated.	TRU	MM	12/09/22
C05	Building footprint updated to incorporate project VE factors. Building length reduction (Eastern Elevation).	TRU	MM	02/09/22
C04	Road width reduced to 6.3m. Footpath to Eastern, Southern and Western boundary removed. Office / Welfare accommodation building removed with future provision indicated.	TRU	LMA	26/08/22
C03	Basis of design / assumptions, Note 2 amended, Note 3 added. Potential VE spec for emergency fire tender access indicated. Reference to S278 works drawing added.	TRU	MM	01/08/22
C02	Issued for WFS3 submission. General notes 4 & NMP canopy area amended.	LMA	MM	24/05/22
C01	Issued for construction as per 'Wates' request and early works order. Please note Work Stages 3 & 4 global project development is ongoing, adjustments may be required to suit.	TRU	MM	01/08/22
P03	Layout updated to suit revised building and site layout ENVI-RPS-ST-XX-DR-A-11150 P05	TRU	MM	25/03/22
P02	General Notes Update Extent of construction types updated to suit implemented VE changes to site layout. Permeable paving removed from car park and impermeable car park construction updated to suit. Geotextile membrane to be laid on formations added in line with recommendations of the Phase2 GCR.	TRU	MM	03/03/22
P01	First Issue	CM	MM	10/12/21



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Client
Envision AESC Wates
 Project
 Envision AESC Giga Factory

Title
 External Works - External Constructions Layout - Sheet 1

Field	Value
RPS Project Number	NK020439
Scale	@ A0
Date Created	10/12/21
Task Team Manager	TH
Information Author	CM
Task Information Manager	TSR
Status	A (Fit For Construction)
Document Number	ENVI-RPS-ST-XX-DR-C-111401
Revision	C13
Project Code - Originator - Function - Space - Type - Room - Drawing Number	ENVI-RPS-ST-XX-DR-A-11150
Project Code	rpsgroup.com

External works design tailored to suit site constraints and where available MEP concepts, MEP and construction teams to tailor final design solutions to suit external works design solutions provided.

10m SCALE 1:500

Code	Description	Discipline	Author	Date
C13	Areas around QA lab updated. Changes made following site layout update.	HAC	MM	27/10/23
C12	Changes made following sprinkler tank base reduction as per Wates request (Ref: RPS068).	HAC	MM	16/08/23
C11	Areas in absence removed. External works design note added.	LMA	MM	02/06/23
C10	Pumphouse area and landscaping along southern boundary updated in line with Section 73 application.	LMA	MM	24/05/23
C09	Changes to suit NMP canopy area in line with ENVI-RPS-ST-RA-A-116991. Changes to waste canopy area following removal in line with RPS028. Changes to car park area following update in line with RPS028. Additional changes following site layout update in line with ENVI-RPS-ST-XX-DR-A-11150.	HAC	MM	06/04/23